**NC FFA VETERINARY SCIENCE CAREER DEVELOPMENT EVENT  
MULTIPLE CHOICE TEST – FALL 2013 (100 points – 4 points each)**

1. A veterinary prescription must contain all of the following **EXCEPT:**
   1. Name and address of the prescribing veterinarian
   2. Number of refills
   3. Client and patient name
   4. **Specific pharmacy where the prescription may be filled**
2. Which type of connective tissue connects the bones to muscle?
   1. **Tendons**
   2. Ligaments
   3. Cartilage
   4. Fascia
3. During metestrus, various hormones are produced that stimulate growth and release of the mature follicle. Which of the following triggers the ovulation of the follicle?
   1. Estrogen
   2. Corpus Luteum
   3. **Luteinizing Hormone**
   4. Follicle Stimulation Hormone
4. Which of the following sets of TPR values would be considered normal for an adult canine?
   1. 98.5°F,210,18
   2. 102.8°F,98,23
   3. **101.2°F,112,20**
   4. 100.9°F,118,60
5. A veterinarian would use which tool to relieve trapped gas in the rumen that is putting pressure on an animal’s stomach?
   1. Radiopaque
   2. Electrocardiogram
   3. **Trocar**
   4. Dremel
6. A type of cell found in the blood that aids in clotting time by causing a blood vessel to constrict after an injury is called:
   1. Basophils
   2. Eosinophils
   3. **Platelet**
   4. Hemoglobin
7. This is the largest blood vessel and allows blood to flow out of the heart and prevents flow back into the heart:
   1. **Aorta**
   2. Ventricle
   3. Atrium
   4. Artery
8. The phalanges are bones that form the toes or digits. The short inside bone that forms the first digit and acts as an opposable thumb is called:
   1. Ischium
   2. Hock
   3. **Dewclaw**
   4. Patella
9. A break in a bone that causes the bone to break through and penetrate the skin is called:
   1. **Compound fracture**
   2. Simple fracture
   3. Dislocation
   4. Luxation
10. The front teeth located on the upper and lower jaw bones are the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .
    1. Premolars
    2. Molars
    3. Periodontals
    4. **Incisors**
11. Which of these **IS NOT** one of the four sections of the ruminant digestive system?
    1. Reticulum
    2. **Proventriculus**
    3. Omasum
    4. Abomasum
12. This organ helps to maintain the blood sugar level by producing insulin that is released into the bloodstream and helps to regulate the body’s use of blood sugar.
    1. Liver
    2. **Pancreas**
    3. Rumen
    4. Colon
13. Avian species pass both urates and feces at the same time from the cloaca. The cloaca is often referred to as the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
    1. **Vent**
    2. Gizzard
    3. Crop
    4. Ceca
14. Identify this common parasite of pets that is segmented or has individual parts that grow and shed as the parasite ages. They live within the small and large intestines and develop from ingesting a flea, rodent or mite.
    1. Heartworms
    2. Hookworms
    3. **Tapeworm**
    4. Giardia
15. An anthropod that seeks heat and movement and feeds on blood from its host that takes 2 years to complete its lifecycle and can transmit viral, bacterial and rickettsial diseases is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .
    1. **Tick**
    2. Flea
    3. Mosquito
    4. Mite
16. This disease of mammals is contagious and is easily spread through vaginal discharge causing abortions and infertility problems in pets and farm animals and can be spread to humans that come in contact with infected milk causing undulant fever. This disease is called:
    1. Toxoplasmosis
    2. Encephalitis
    3. **Brucellosis**
    4. Neoplasia
17. A common suffix used in the veterinary industry that pertains to the kidney is:
    1. Cardiac
    2. **Renal**
    3. Alimentary
    4. Uterine
18. Veterinary Medical clinics often use directional terms on medical records of clients. The term **CAUDAL** indicates:
    1. **Toward the tail**
    2. Toward the head
    3. Toward the back (spine) area
    4. Toward the outside
19. A young castrated male chicken is called a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .
    1. Barrow
    2. Stag
    3. Pullet
    4. **Capon**
20. Euthanasia is considered a humane way to end an animal’s life. In this statement the term “humane” means:
    1. **Is considered acceptable by people in regards to an animal’s physical, mental and emotional well-being**
    2. Animals are not humans and thus their well-being is not considered in medical treatment
    3. Humans are superior to animals and thus can make decisions about life or death
    4. Humanely ending an animal’s life removes the grief of the animal’s death
21. The gestation period for pigs is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ .
    1. 50 days
    2. 63 days
    3. 86 days
    4. **114 days**
22. The number of follicles or eggs present in the ovary is:
    1. Determined by the level of protein in the animal’s diet
    2. Determined by the production of testosterone in the testicles
    3. **Present when the animal is born**
    4. Developed by the age when the animal reaches puberty
23. Testosterone is the main reproductive hormone that produces male characteristics and is essential for sperm production. The following are male characteristics developed by testosterone **EXCEPT:**
    1. Aggressive tendencies
    2. **High pitch vocal sounds**
    3. Muscles and powerful structure
    4. Large body size
24. The normal body temperature for a goat is:
    1. 99°F
    2. 100°F
    3. 101°F
    4. **102°F**
25. Vaccination routes delivered under the skin are called:
    1. **Subcutaneous**
    2. Intramuscular
    3. Intraocular
    4. Intradermal